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DaimlerChrysler AG

Patent Claims

- 5 A method for shortening the stopping distance of a in which a braking operation vehicle (2), prepared when predefined а event characterized in that the braking operation i£ driving prepared a situation which 10 implausible to a driving assistance system occurs.
 - 2. The method as claimed in claim 1, characterized in that a pilot braking pressure is generated in order to prepare the braking operation.

3. The method as claimed in claim 2, characterized in that a speed-dependent pilot braking pressure is generated.

- 20 4. The method as claimed in one of the preceding claims, characterized in that the braking operation is prepared if the driver is requested by a driving assistance system to assume the control of the vehicle and/or to brake.
- 5. The method as claimed in one of the preceding claims, characterized in that the braking operation is prepared if a driving assistance system is deactivated.
 - 6. The method as claimed in one of the preceding claims, characterized in that objects are sensed at least in the area in front of the vehicle.
- 7. The method as claimed in one of the preceding claims, characterized in that the distance and/or the relative speed and/or the relative acceleration with respect to an object in the area

in front of the vehicle are determined and if the value drops below or exceeds a reference distance, a reference relative speed or a reference acceleration the braking operation is prepared.

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8. A computing unit which is configured in terms of programming technology to carry out the method as claimed in one of the preceding claims.